

Jet Propulsion Laboratory
California Institute of Technology
4800 Oak Grove Drive
Pasadena, California 91109-8099
(818) 354-4321

NAS7.000015
NASA - JPL
SSIC No. 9661



May 20, 1993

Refer to: 93-097.CLB:11

Michelle Schutz
U.S. EPA, Region IX
75 Hawthorne Street, M/S H-9-1
San Francisco, CA 94105

Dear Michelle:

Subject: Meeting Minutes From May 4, 1993 Scoping Meeting

Please find attached a copy of the subject minutes. As always, the minutes are open for comment.

Should you have any questions please call me at (818) 354-0180.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles L. Buri".

Charles L. Buri, P.E.
Manager, Environmental Affairs Office

Attachment

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May 20, 1993

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Hank Yacoub
L.A. Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754

Dear Hank:

Subject: Meeting Minutes From May 4, 1993 Scoping Meeting

Please find attached a copy of the subject minutes. As always, the minutes are open for comment.

Should you have any questions please call me at (818) 354-0180.

Sincerely,

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May 20, 1993

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Tizita Bekele
L.A. Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754

Dear Tizita:

Subject: Meeting Minutes From May 4, 1993 Scoping Meeting

Please find attached a copy of the subject minutes. As always, the minutes are open for comment.

Should you have any questions please call me at (818) 354-0180.

Sincerely,

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Charles L. Buril, P.E.
Manager, Environmental Affairs Office

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May 20, 1993

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Penny Nakashima
Cal EPA
1011 N. Grandview Avenue
Glendale, CA 91201

Dear Penny:

Subject: Meeting Minutes From May 4, 1993 Scoping Meeting

Please find attached a copy of the subject minutes. As always, the minutes are open for comment.

Should you have any questions please call me at (818) 354-0180.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles L. Buril".

Charles L. Buril, P.E.
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May 20, 1993

Refer to: 93-097.CLB:11

Bruce Ross
URS Consultants
2710 Gateway Oaks Drive
Sacramento, CA 95833

Dear Bruce:

Subject: Meeting Minutes From May 4, 1993 Scoping Meeting

Please find attached a copy of the subject minutes. As always, the minutes are open for comment.

Should you have any questions please call me at (818) 354-0180.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles L. Buril".

Charles L. Buril, P.E.
Manager, Environmental Affairs Office

Attachment

**REMEDIAL PROJECT MANAGERS' MEETING MINUTES
NASA/JET PROPULSION LABORATORY CERCLA PROGRAM
4 MAY 1993**

Attendees: Organizations represented at the Remedial Project Managers' (RPMs') meeting included the following:

- U.S. EPA (EPA)/Federal Enforcement Branch, Region 9, San Francisco, CA
- California EPA/Department of Toxic Substances Control (DTSC), Region 3
- NASA, NASA Resident Office, Jet Propulsion Laboratory
- Los Angeles Area California Regional Water Quality Control Board (RWQCB)
- California Institute of Technology (CALTECH), Contractor to NASA
- Jet Propulsion Laboratory, Contractor to NASA
- EBASCO Environmental, Contractor to JPL
- URS Consultants, Contractor to EPA

A list of individuals attending this RPM meeting is attached to these minutes.

OBJECTIVE:

The purpose of the NASA/Jet Propulsion Laboratory meeting held on 4 May 1993 at the Jet Propulsion Laboratory in Pasadena, California was to discuss status of JPL Superfund Project and the Devils Gate Dam Multiuse Project.

1. TOPIC: Devils Gate Dam Multi Use Project (DGDMUP)

The previous day's presentation regarding the DGDMUP was discussed. Concern was expressed by JPL regarding well placement, spreading basin construction, and the impact the spreading basins will have on groundwater flows. Additionally, JPL inquired about any agency control that may be possible regarding the DGDMUP.

EPA indicated that the project would be a factor in the Superfund Project. RWQCB stated that the only regulatory point of control of the project would be through the EIS process. No other apparent regulatory mechanism exists. JPL requested that the agencies review the requirements of the EIS to determine if Pasadena or JPL would be required to evaluate the DGDMUP impact to the Superfund effort.

DTSC noted that once natural habitat is established, additional constraints may be imposed by Fish and Game.

RWQCB stated numerical modeling should be evaluated to determine the impact of the DGDMUP.

JPL offered to approach the City in an attempt to obtain a Memorandum of Understanding (MOU) regarding the DGDMUP and the JPL CERCLA effort.

ACTION ITEMS:

JPL will contact the City to determine if an MOU regarding the DGDMUP and JPL CERCLA can be reached.

The EPA will investigate the CERCLA requirements regarding projects of this type being constructed next to NPL sites.

The regulatory agencies will determine the EIS requirements regarding the burden of proof for the impact of DGDMUP on the JPL CERCLA effort.

2. TOPIC: Status of Previous Meeting Action Items

Following is a copy of the Action Items from Previous Meetings which was distributed to the attendees. The section "Comments from 05/04/93 Meeting" has been added to reflect comments made at today's meeting, and indicate final status.

JANUARY 14-15, 1993

Action: Set a meeting to discuss details of source identification, and possibly conduct a site walk.

Status: Complete. Meeting was set for March 9, 1993.

Comments from 05/04/93 Meeting: Completed.

Action: Modify the source location tables presented to include the following:

- A list of buildings which were demolished, or the current status of the building
- A cross reference to other reports (PA/SI and ESI) pit designations. Reasoning regarding why certain pits were not addressed must be made available.

Status: Pending. Completed information should be available in the RI/FS Workplan or the OU-2 FSAP.

Comments from 05/04/93 Meeting: Plan acceptable.

Action: RWQCB to provide QA/QC information to JPL.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: Provide RWQCB information on the demolition of Building 187.

Status: Complete.

Comments from 05/04/93 Meeting: A copy of the information provided to RWQCB was requested and distributed to all attendees. Action complete.

Action: Provide copies of the JPL site map, similar to EPA's, to other RPMs.

Status: Pending completion of site maps.

Comments from 05/04/93 Meeting: Randolph reported maps have been completed and sent copy to Schutz. Although she has not seen the maps to date, she will check new mail for receipt.

Action: Modify the project schedule so OU-1 and OU-2 due dates were staggered.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: Develop a historical document giving results of previous work to date.

Status: Pending. Overview should be available in the RI/FS Workplan and specific information in the OU FSAPs.

Comments from 05/04/93 Meeting: Pending.

Action: Evaluate the possibility of standardizing the procedures (sampling and analytical) for the project.

Status: Pending. Standardized procedures will be available either in the QAPP or the FSAPs.

Comments from 05/04/93 Meeting: Pending approval of OU specific FSAPs.

Action: EPA was to provide copies of the regulations regarding PRP determinations.

Status: Pending. JPL is awaiting a response from EPA.

Comments from 05/04/93 Meeting: Schutz reported she was unable to find information on PRP determinations in the regulations. Following a discussion, it was concluded that the EPA legal council would write a letter to NASA attorneys stating EPA's position on PRPs determinations. As it stands, NASA (as the lead agency) is responsible for determining the PRPs. Action pending.

Action: Concern was expressed regarding radioactive material storage in Building 67. JPL agreed to investigate and consider radioactive screening of samples from MW-13.

Status: Pending. The detailed information will be presented in OU-1 FSAP. Radioactive screening is planned for MW-13 groundwater samples.

Comments from 05/04/93 Meeting: Pending approval of OU-1 FSAP.

Action: Set a meeting to discuss NASA's response to suggestions made during this meeting.

Status: Complete. Meeting was set for May 4, 1993.

Comments from 05/04/93 Meeting: Complete.

MARCH 9, 1993

Action: EBASCO will inform the group of the previous uses of Building 78.

Status: Pending. The information will be provided in either the RI/FS Workplan or the OU-2 FSAP.

Comments from 05/04/93 Meeting: EBASCO stated the building started out as a hydraulics lab, then made into smaller labs, one was a cryogenics lab, one an oceans lab, a ceramics room, a small laser lab. The last five years, the area was used for cryogenics and glass blowing. A cesspool has been identified with the building. EBASCO noted that we do not have access to the cesspool due to a retaining wall and nitrogen bottles. Schutz said it would have to be addressed eventually. She requested to tour the building.

Action: EBASCO will inform the group of the previous uses of Building 183.

Status: Pending. The information will be provided in either the RI/FS Workplan or the OU-2 FSAP.

Comments from 05/04/93 Meeting: The building was built after sewers were installed. The bermed area identified by DTSC near the building was a landscape feature. It was emphasized that no hazardous materials were used in this area. Action closed.

Action: JPL and EBASCO will provide corrections to the SI and ESI with regard to the pit designation in the Workplan.

Status: Pending. This will be provided with the Workplan.

Comments from 05/04/93 Meeting: Pending. Schutz asked that an indication be made in the Table of Contents to show where this information can be found. Randolph noted that the item can be located in the "Seepage Pit Research" section of the RI Workplan.

Action: JPL will provide a description in narrative form that includes a short discussion of all activities at buildings on-site where a potential for contamination has been identified. This will include a description of how the buildings are plumbed together, and a discussion of which seepage pit the buildings are connected to. If available, specific engineering drawings will be referenced.

Status: Pending. The information should be available in either the RI/FS Workplan or the OU-2 FSAP.

Comments from 05/04/93 Meeting: Pending completion of the RI Workplan.

Action: Figures 4.1 and 4.3 of the Supplemental Information to the ESI will be provided in the Workplan.

Status: Complete. Copies were provided in today's meeting.

Comments from 05/04/93 Meeting: Complete.

Action: JPL will send the last monitoring report to RWQCB.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: JPL will reevaluate sampling around Building 302 and attempt to find a means to sample.

Status: During a site tour with the State RPMs, Building 302 was inspected. The EPA RPM was unable to attend. After inspecting the building and surrounding area, the State RPMs expressed doubt about the need to sample beneath Building 302. This was due to the excavation required for construction and the likelihood that contamination would have been removed at that time. The State RPMs indicated that EPA should review the site and then meet with the State RPMs to discuss the matter.

Comments from 05/04/93 Meeting: Buril not aware of any sampling that was done after excavation. The sampling area is extremely sensitive due to building operation. Schutz requested that sampling information be obtained as EPA will not "write off" due to difficulty in obtaining samples. Buril noted that the building was constructed in mid 1980s and the Lab was very environmentally conscious at the time, thus indicating that sampling would have been conducted if they noted any indication of contamination. An attempt will be made to gather all of the information. Randolph indicated that Slade sampled the pit from the laboratory and found 200ppm lead, but nothing else. The other pit was the sanitary cesspool.

Nakashima stated that she felt that MW-12 is too far away from the building to reveal significant information.

Buril questioned the possibility of doing passive soil gas. Nakashima responded that it is an indicator, but not 100%.

Nakashima noted any construction plans for areas with cesspools should be delayed until the project is over because the fact that a building is on the land does not eliminate the necessity for sampling.

Action pending. Buril will obtain additional information on the excavation of the 302 site and present it to the agencies.

Action: JPL will review the possibility of incorporating a complete historical compendium in the Workplan. The level of effort will be discussed with EBASCO.

Status: In discussions between JPL and EBASCO it was determined that the level of effort to provide the historical compendium in the Workplan was very significant. JPL has instructed EBASCO to compile this information to the greatest degree possible. A review of the effort to date is planned for the May 4, 1993 meeting.

Comments from 05/04/93 Meeting: Complete.

Action: EPA will check to see if an index is required for the Information Repository and get this information to JPL.

Status: EPA has provided information regarding the administrative record and repositories.

Comments from 05/04/93 Meeting: Complete.

Action: EPA, DTSC, and RWQCB will provide comments on the minutes from the previous meeting to JPL.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: EPA will send JPL the name and phone number of their community relations expert.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: JPL will send whatever form of closure report that is available for the storm drain where the carbon tetrachloride was found to the agencies.

Status: Status and the information are provided in the May 4, 1993 meeting.

Comments from 05/04/93 Meeting: Complete.

Action: EPA will send example copies of Table of Contents for FSAP and WP to JPL.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: JPL will make all changes discussed above and provide the schedule to EPA by Tuesday, March 16, 1993.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Action: EPA will set the schedule to the meeting with Charles Thomas to hear about the Devil's Gate Dam Multiuse Project.

Status: Complete.

Comments from 05/04/93 Meeting: Complete.

Discussion on Previous Meeting Minutes: EPA provided written comments on minutes from previous meetings. These comments will be incorporated in the appropriate minutes or addressed in writing in a separate document.

3. TOPIC: Document Development Status

A discussion was held regarding the Draft RI Workplan. The Table of Contents info was taken directly from the FFA. Comments were made on the following items:

Workplan: The Table of Contents was reviewed by the agencies.

EPA emphasized that they needed a clear summary of all work to date. Analytical results will appear in the Appendix. A summary table of analytical information will appear in the text. It was agreed that less detail would be expected for reports, such as geotechnical studies, that do not relate to CERCLA. EPA noted that the individual topics under Section 3.2 "JPL Setting" will be as complete as possible. EBASCO clarified that Regional Hydrogeology will cover the Monk Hills sub-basin in the context of the Raymond Basin with emphasis on the site. Each OU will have a general site background. EBASCO noted that the outline was taken directly from the FFA.

Historical Compendium: The following outline was presented to the agencies. It was noted that the following information will be included under each report summary:

1. Why it was done (objectives)
 - who
 - when
 - what were the objectives
2. What was done
 - summary of methodology
 - techniques utilized
 - work completed (wells, samples, samples, etc)
3. What were the results
 - tabulation of information
 - discussion of conclusions (interpretation of author only)
4. How does it relate to CERCLA
 - form basis of additional work

The agencies agreed that this is an acceptable outline.

RWQCB requested that well construction details be included. As-built drawings and chemical analyses information will be incorporated in the appendix. RWQCB noted that we need to address how we dispose of cuttings and investigation generated waste.

4. TOPIC: Future Sampling of Existing Wells

Buril requested feedback from the agencies on the current monitoring program and questioned the need for continuing the monitoring. Following a brief discussion, it was concluded that it may be appropriate to cut back on frequency of sampling and/or number of contaminants analyzed for in certain monitoring wells. EPA recommended that Level 4 data validation be conducted for selected wells. Schutz will follow-thru and make a recommendation for the level of effort for the data validation.

Yacoub requested a tabulated summary/chart of contaminant concentrations for each well to justify the proposal. EBASCo will prepare a proposal for a reduction in groundwater monitoring after completion of the documents being submitted in June.

5. TOPIC: Future Underground Tank Removals at JPL

Buril reviewed the Schedule for Underground Tank Removal for FY 1993-94 as distributed to the attendees. The schedule was provided as information only as there has been no indication of leakage or problems with any of the tanks. All tanks will be removed under the requirements of the L.A. County Department of Public Works. Information was well received, and it was requested that tank surveys be provided when available. It was acceptable to the agencies for the County to oversee the tank removals. If something is found, information will be relayed to the agencies for determination of inclusion in CERCLA.

ATTENDEE LIST

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Charles L. Buri1	JPL	(818) 354-0180
Judy Novelly	JPL	(818) 354-8634
Dora Huff	NASA, Contracting Officer	(818) 354-6315
Dan Melchior	Ebasco - Arlington, VA	(703) 358-8911
Mark Cutler	Ebasco - Santa Ana, CA	(714) 662-4056
Penny Nakashima	Cal/EPA DTSC	(818) 567-3067
Bruce Ross	URS - Sacramento, CA	(916) 929-2346
Michelle Schutz	U.S. EPA	(415) 744-2396
B. G. Randolph	Ebasco - Santa Ana, CA	(714) 662-4141